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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

	Application Number	10/604,716	
	Filing Date	12 August 2003	
	First Named Inventor	James P. EBLING et al.	
	Art Unit	2812	
	Examiner Name		
Total Number of Pages in This Submission	290	Attorney Docket Number	5701-00298

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b> 10 U.S. Patent Documents (List only) + 3 Foreign Patent Documents + 3 Other Prior Art Documents		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

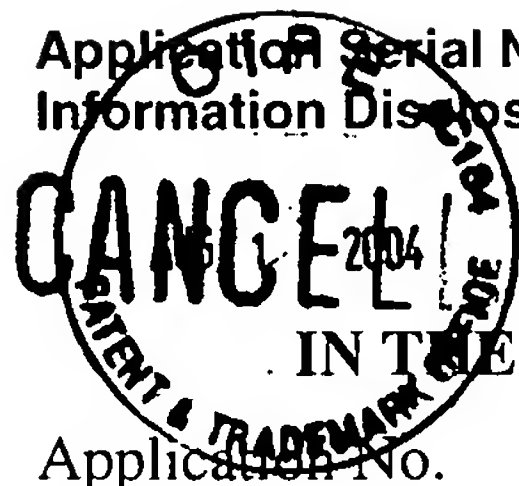
Firm or Individual name	Kurt L. VanVoorhies, Dinnin & Dunn, P.C.
Signature	
Date	16 August 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

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Typed or printed name	Kurt L. VanVoorhies (VIA U.S. Express Mail Label No. ER 515282108 US)		
Signature		Date	16 August 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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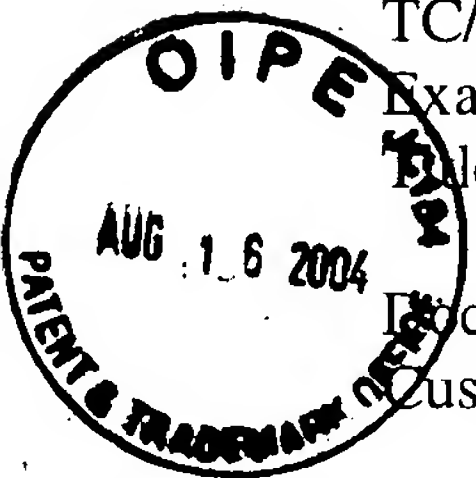


**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/604,716  
Applicant : James P. EBLING et al  
Filed : 12 August 2003  
TC/A.U. : 2812  
Examiner :  
Title : MULTI-BEAM ANTENNA  
Docket No. : 5701-00298  
Customer No. : 26659

Confirmation No. : 1715



**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97(b)(3)**

16 August 2004

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b)(3), i.e., filing the statement before the mailing date of a first Office action on the merits. Enclosed herewith is the List of References Cited by Applicant (PTO-1449). As the instant application was filed after June 30, 2003, in accordance with the OG Notice of 05 August 2003, copies of the cited U.S. patents cited therein are not submitted herewith.

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

**Certification under 37 CFR § 1.10**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on August 16, 2004 and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Name of Person Mailing: Kurt L. VanVoorhies Signature: Kurt L. VanVoorhies Date: August 16, 2004

Applicant, by submitting this Information Disclosure Statement, is attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Information Disclosure Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, is otherwise "material to patentability," as that term is defined in that section.

Respectfully submitted,



Kurt L. VanVoorhies

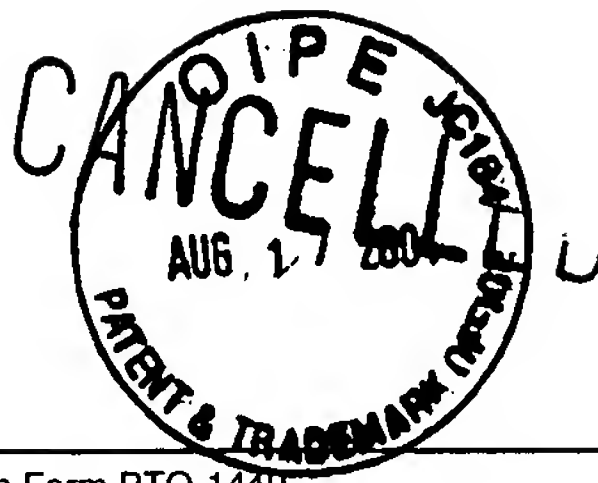
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5701-00298  
16 August 2004

Enclosure



Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 5701-00298		SERIAL NO. 10/604,716		Page 1	
				APPLICANT James P. Ebling et al.					
				FILING DATE August 12, 2003		IDS DATE August 16, 2004			
U. S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE		
	AA	5,255,004	10/1993	Berkowitz et al.	343	853			
	AB	5,420,595	5/1995	Zhang et al.	342	368			
	AC	5,486,832	1/1996	Hulderman	342	70			
	AD	5,583,511	12/1996	Hulderman	342	175			
	AE	5,933,109	8/1999	Tohya et al.	342	175			
	AF	5,959,578	9/1999	Kreutel, Jr.	342	373			
	AG	6,031,483	2/2000	Urabe et al.	342	70			
	AH	6,037,894	3/2000	Pfizenmaier et al.	342	70			
	AI	6,043,722	3/2000	Voigtlaender et al.	342	70			
	AJ	6,137,434	10/2000	Tohya et al.	342	70			
	AK								
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	<u>TRANSLATION</u> Yes No		
	AL	WO 92/13373	8/1992	WIPO	H01Q	19/06			X
	AM	EP 0 483 686 B1	4/1996	EPC	H01Q	25/00			X
	AN	WO 01/37374 A1	5/2001	WIPO	H01Q	15/04			X
	AO								
	AP								
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	AR	Wu, X. et al., "Design and Characterization of Single and Multiple Beam MM-Wave Circularly Polarized Substrate Lens Antennas for Wireless Communications", IEEE Antennas and Propagation Society International Symposium, 1999 Digest, APS, Orlando, Florida, July 11-16, 1999, New York, NY : IEEE, US, Vol. 4, July 1999 (1999-07-11), pages 2408-2411, XP000935569, ISBN: 0-7803-5640-3							
	AS	W. Burnham; J. Eddy; S. Gaboury; G. Ross, <i>A Product Development Process View of Automotive Pre-Crash Safety Systems</i> , Masters of Science in Product Development Thesis, University of Detroit Mercy, 7 February 2003, 235 pages							
	AT	Supplementary European Search Report in European Application No. EP 00 98 0567, 1 July 2004, 3 pp.							
EXAMINER				DATE CONSIDERED					
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									